



COLD WEATHER ASSESSMENT & EOP-012 AUDIT READINESS

OVERVIEW

Extreme cold weather spells over the last decade have created a strain on the Bulk Electric System (BES). In response, NERC has developed reliability standards designed to regulate cold weather preparedness, ensure that Generator Owners (GOs) maintain operational reliability during cold weather events, and require that appropriate freeze protection measures be implemented. NERC Standard EOP-011-2 is the current standard in effect. On October 1, 2024, EOP-011-2 will retire and EOP-012-1 will become enforceable, or possibly EOP-012-2, which has been filed and is currently pending final regulatory approval.

EOP-012 AUDIT READINESS

REQUIREMENT R4: UNIT-SPECIFIC COLD WEATHER PREPAREDNESS PLAN (CWPP), TO INCLUDE:

- Language and references to address EOP-012-2 requirements
- ECWT
- Generating unit cold weather data
- Generating unit minimums
- Generator Cold Weather Critical Component list
- Freeze protection measures
- Annual inspection and maintenance of freeze protection measures
- Corrective Action Plan (CAP) strategy and process

REQUIREMENT R5: UNIT-SPECIFIC TRAINING, TO INCLUDE:

- References to NERC Standard EOP-012-2
- Historical significance of NERC Standard EOP-012-2
- Unit specific issues and concerns

WE CAN HELP

EOP-012 DEVELOPMENT & REVIEW

- Develop a robust, practical, audit ready CWPP
- CWPP that will point auditors to compliance
- Develop practical training modules with 2 objectives:
 1. Educate unit personnel on EOP-012 (audit ready)
 2. Provide instruction on implementing the CWPP

COLD WEATHER PREPAREDNESS SITE WALKDOWN/AUDIT

- Review site configuration
- Identify freeze protection measures and recommend improvements
- ECWT assessment, including the effects of wind



COLD WEATHER AND WIND SPEED ENGINEERING EVALUATION

- Calculated ECWT
- Review historical operating data
- Review plant equipment and systems
- Conduct site interviews with plant personnel
- Provide documented engineering analysis (audit ready)